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PATENT APPLICATION

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 1550.36US02

Seghatol

Application No.: 09/897,317

Examiner: Not Assigned

Filed: July 2, 2001

Group Art Unit: 3732

For: HAND-HELD MICROWAVE INTRA-ORAL DENTAL SYSTEM

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

Specification As Amended

Please substitute the following amended paragraphs and/or sections:

Page 2, lines 13-27

There has been relatively little research, however, into the potential impact of the microwave energy itself on the polymerization process for dental prosthetics. The research that has been done has generally focused on the duty cycle used for the microwave oven curing process. The impact on porosity of denture material cured using lower wattage, longer duration microwave cure times (i.e., a lower duty cycle for a longer time) versus higher wattage, shorter duration microwave cure times (i.e., a higher duty cycle for a shorter time) is compared in Alkhatib MB, et al. "Comparison of microwave-polymerized denture base resins," *The International Journal of Prothodontics*, Vol. 3, No. 2, pp. 249-55 (1990). European Patent No. 0 193 514 B1 describes a microwave processing system for dental prosthetics that has a magnetron, a waveguide, a surface radiating antenna, a flask, and a temperature sensor that is